

REMARKS

The Examiner's recognition of Applicants' invention by the allowance of claim 9 and the indication of allowable subject matter for claim 8 is gratefully acknowledged.

A sentence in paragraph 0016 is amended to recite plural cams, posts and bolts, as shown in Fig. 1.

Claim 1 is amended to more particularly point out that the driven member includes a hub, that the drive member includes a pulley with a planar face and that the mechanism includes posts that extend from the planar face of the driven member and spring arms integrally formed with the hub and including the cams for engaging the posts, features originally recited in claims 7 and 8, now cancelled.

The dependency of claim 3 is corrected.

Objection to Specification

In response to an objection, paragraph 0016 is amended to provide subject-verb agreement. It is requested that the objection be withdrawn.

Objection to Claims

Claims 3-5 were objected to as depending from a cancelled claim. Claim 3 is made dependent from claim 1. Claims 4 and 5 depend upon claim 3. In view of the correction, it is requested that the objection be withdrawn.

Claims Rejection based upon Montgrand, Orwin and Richards

Claims 1 and 3 were rejected under 35 U.S.C. § 102(b) as anticipated by United States Patent No. 1,865,559, issued to Montgrand in 1932. Claims 1 and 3-5 were rejected under 35 U.S.C. § 102(b) as anticipated by United States Patent No. 3,203,524, issued to Orwin in 1965. Claims 1, 3 and 4 were rejected under 35 U.S.C. § 102(b) as anticipated by United States Patent No. 2,444,530, issued to Richards in 1948.

Montgrand shows a coupling mechanism that includes coil springs 8 that bias shoes 4 to engage cams 2 driven by rim 1. In contrast, Applicants' assembly comprises a hub having integral spiral arms and cams pivotally attached to the arms to engage posts on the driving member. Montgrand requires coil springs separately formed and assembled to the hub. Moreover, in Montgrand, the shoes are pivotally attached to a plate 6. Without these features, Montgrand does not anticipate or even suggest Applicants' invention.

The rejection points to the clutch shown in Figs. 1-5 in Orwin. Orwin describes a clutch mechanism that includes coil springs 42 that are separately formed and assembled, in contrast to the spiral arms integrally formed with the hub in Applicants' assembly. Also, Orwin includes an abutment 25 mounted to a carrier 26 that pivots about pin 31. In contrast, Applicants' assembly includes cams that are pivotally attached to the spring arms. Thus, for at least these reasons, Orwin does not teach or suggest Applicants' assembly.

Richards describes a clutch for an automotive transmission. Referring to Fig. 7, the clutch includes springs 57 that are separately formed and attached, whereas the spiral arms in Applicants' assembly are integrally formed with the hub of the driven member. Also as seen in Fig. 7, Richards does not include cams that are pivotally attached to the springs, key features of Applicants' assembly. Thus, Richards does not teach or suggest Applicants' invention.

Claim 1 is directed to Applicants' transmission and torque limiting assembly that comprises a mechanism for transmitting rotation from a drive member to a driven member. The driven member comprises a hub and spring arms integrally formed with the hub, a feature previously recited in claim 8 and indicated allowable. Montgrand, Orwin and Richards each describe a mechanism that uses coil springs that are separately formed and assembled. Claim 1 also calls for cams pivotally attached to the distal ends of the spring arms. Shoes 4 in Orwin, carrier 26 in Orwin and pawls F and G in Richards are mounted to pivot about a pin or post that is separate from the coil spring, and are not pivotally attached to the spring. For at least these reasons, the references do not teach or even suggest Applicants' assembly in claim 1.

Claims 3-5 are dependent upon claim 1 and not taught or suggested by the references at least for the reasons set forth with regard to that claim.

Accordingly, it is respectfully requested that the rejections of the claims based upon Montgrand, Orwin and Richards be reconsidered and withdrawn, and that the

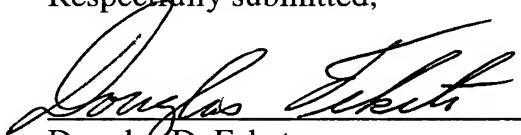
claims be allowed.

Conclusion

It is believed, in view of the amendments and remarks herein, that all claims are in condition for allowance. If it would further prosecution of the application, the Examiner is urged to contact the undersigned at the phone number provided.

The Commissioner is hereby authorized to charge any fees associated with this communication to Deposit Account No. 50-0831.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Douglas D. Fekete", is written over a horizontal line.

Douglas D. Fekete

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